

Cumulative Indexes

Contributing Authors, Volumes 54-63

A

Abrams SR, 61:651-79
 Ahmad M, 62:335-64
 Aichinger E, 63:615-36
 Ainsworth EA, 55:557-94;
 63:637-61
 Albersheim P, 55:109-39
 Alonso-Blanco C, 55:141-72
 Amasino RM, 56:491-508
 Apel K, 55:373-99
 Ariizumi T, 59:387-415;
 62:437-60
 Arruda P, 57:383-404
 Assmann SM, 58:219-47
 Ayers RA, 61:21-47

B

Bae G, 59:281-311
 Baena-Gonzalez E, 57:675-709
 Bailey-Serres J, 59:313-39
 Bais HP, 57:233-66
 Baker NR, 59:89-113
 Ball SG, 54:207-33
 Bally J, 63:507-33
 Balmer Y, 56:187-220
 Bandyopadhyay A, 56:221-51
 Banks JA, 60:223-37
 Barbier-Brygoo H, 62:25-51
 Bar-Peled M, 62:127-55
 Bartel B, 57:19-53

Bartel DP, 57:19-53
 Bassham DC, 63:215-37
 Batschauer A, 62:335-64
 Baucher M, 54:519-46
 Baudry A, 57:405-30
 Baxter I, 59:709-33
 Beardall J, 56:99-131
 Beeching J, 62:251-72
 Bendahmane A, 62:485-514
 Bender J, 55:41-68
 Benfey PN, 63:563-90
 Benjamins R, 59:443-65
 Benveniste P, 55:429-57
 Benzanilla M, 57:497-520
 Berger F, 62:461-84
 Bergmann DC, 58:163-81
 Berry JA, 63:1-17
 Berthold DA, 54:497-517
 Besson-Bard A, 59:21-39
 Bharti AK, 63:283-305
 Birchler JA, 63:307-30
 Birnbaum KD, 57:451-75
 Blankenship RE, 62:515-48
 Bloom A, 60:455-84
 Blumwald E, 61:443-62
 Boerjan W, 54:519-46
 Bogdanove AJ, 54:23-61
 Böhmer M, 61:561-91
 Boland W, 63:431-50
 Boldt R, 57:805-36
 Bollner T, 60:379-406

Bomblies K, 61:109-24
 Borecky J, 57:383-404
 Borisjuk L, 56:253-79
 Boss WF, 63:409-29
 Bou J, 57:151-80
 Bouché N, 56:435-66
 Boudaoud A, 62:365-85
 Bowles D, 57:567-97
 Bowman JL, 59:67-88
 Breton G, 55:263-88
 Brettel K, 62:335-64
 Briat J-F, 54:183-206
 Briggs WR, 61:1-20
 Brown D, 58:407-33
 Brown ML, 54:403-30
 Brownlee C, 55:401-27
 Browse J, 60:183-205
 Buchanan BB, 56:187-220
 Buckler ES IV, 54:357-74
 Burch-Smith TM, 63:239-60
 Burger M, 59:341-63
 Byrdin M, 62:335-64

C

Caboche M, 57:405-30
 Cahoon EB, 62:251-72
 Callis J, 59:467-89
 Cande W, 57:267-302
 Cao X, 61:395-420
 Carroll A, 60:165-82

Catusse J, 63:507-33
 Cavagnaro TR, 59:341-63
 Chaimovich H, 57:383-404
 Chanoca A, 62:273-97
 Chaves I, 62:335-34
 Chen H-Y, 62:207-26
 Chen Y-H, 61:89-108
 Chen ZJ, 58:377-406
 Cheung AV, 59:547-72
 Chevalier D, 60:67-91
 Chickarmane V, 61:65-87
 Chiou T-J, 62:185-206
 Chiu C-C, 61:157-80
 Choi G, 59:281-311
 Choi W-G, 62:273-97
 Chory J, 57:739-59
 Christie JM, 58:21-45
 Collins WJ, 63:637-61
 Comai L, 54:375-401
 Conn EE, 59:1-19
 Coupland G, 59:573-94
 Cove D, 57:497-520
 Covshoff S, 61:181-207
 Cuccovia I, 57:383-404
 Cui X, 61:395-420
 Cunha A, 61:65-87
 Curie C, 54:183-206
 Cutler SR, 61:651-79

D

Darvill AG, 55:109-39
 Das P, 62:365-85
 Day DA, 62:79-104
 De Angeli A, 62:25-51;
 63:183-213
 Debeaujon I, 57:405-30
 Deeks MJ, 57:109-25
 de Godoy Maia I, 57:383-404
 DellaPenna D, 57:711-38
 Deng X-W, 54:165-82;
 62:411-35
 Dewitte W, 54:235-64
 Dickerson J, 57:335-59
 Dietz K-S, 54:93-107
 Dixon KW, 63:107-30
 Dixon RA, 55:225-61
 Dodd AN, 61:593-620
 Doi M, 58:219-47
 Domozych DS, 62:567-90
 Douglas CJ, 58:435-58
 Downie JA, 59:519-46

Dubini A, 58:71-91
 Dudareva N, 63:73-105
 Duval M, 63:507-33

E

Edwards GE, 55:173-96
 Egesi C, 62:251-72
 Ehrhardt DW, 57:859-75
 Elling AA, 62:411-35
 Elthon TE, 55:23-39
 Emberson LD, 63:637-61
 Essen L-O, 62:335-64
 Evans LT, 54:1-21, 307-28
 Evans TC Jr, 56:375-92

F

Facchini PJ, 59:735-69
 Fan X, 63:153-82
 Fauquet C, 62:251-72
 Felix G, 60:379-406
 Fellman J, 62:251-72
 Filleur S, 62:25-51
 Finkelstein R, 59:387-415
 Finkelstein RR, 61:651-79
 Fischer BB, 60:239-60
 Fischer RL, 56:327-51
 Flematti GR, 63:107-30
 Flint-Garcia SA, 54:357-74
 Floyd SK, 59:67-88
 Flüge U-I, 56:133-64
 Fornara F, 59:573-94
 Foyer CH, 60:455-84
 Frachise J-M, 62:25-51
 Franceschi VR, 55:173-96;
 56:41-71
 Freeling M, 60:433-53;
 61:349-72
 Fregene M, 62:251-72
 Fricker M, 57:79-107
 Friedrich T, 63:615-36
 Fromm H, 56:435-66
 Frommer WB, 55:341-71;
 63:663-706
 Fujioka S, 54:137-64
 Furumoto T, 55:69-84
 Furuya M, 55:1-21

G

Gaeta RT, 63:307-30
 Galbraith DW, 57:451-75

Gallardo K, 63:507-33
 Gallois P, 58:407-33
 Galway ME, 54:691-722
 Gambale F, 62:25-51
 Gandotra N, 57:181-201
 Gang DR, 56:301-25
 Garcia-Mata C, 54:109-36
 Gärtner W, 63:49-72
 Gershenzon J, 57:303-33
 Ghirardi ML, 58:71-91
 Ghisalberti EL, 63:107-30
 Gibbs SP, 57:1-17
 Gilroy S, 57:233-66; 62:273-97
 Giordano M, 56:99-131;
 62:157-84
 Goldschmidt-Clermont M,
 61:125-55
 Gould SB, 59:491-517
 Graham IA, 59:115-42
 Graziano M, 54:109-36
 Gregory JF III, 62:105-25
 Grossniklaus U, 54:547-74
 Grotewold E, 57:761-80
 Gruijssem W, 62:251-72
 Gubler F, 55:197-223
 Gutu A, 57:127-50

H

Halkier BA, 57:303-33
 Hamant O, 57:267-302;
 62:365-85
 Hanson AD, 62:105-25
 Hanson MR, 61:125-55
 Hansson A, 58:459-81
 Hardtke CS, 58:93-113
 Harmer SL, 60:357-77
 Harmon A, 55:263-88
 Harper JF, 55:263-88
 Harries P, 57:497-520
 He G, 62:411-35
 Hegemann P, 59:167-89
 Hell R, 62:157-84
 Hématy K, 63:381-407
 Henikoff S, 54:375-401
 Herud O, 63:483-506
 Hervé C, 62:567-90
 Hetherington AM, 55:401-27
 Hibberd JM, 61:181-207
 Hicks GR, 63:261-82
 Higuchi M, 61:373-93
 Hirt H, 55:373-99

Ho C-H, 62:207-26
 Hoang N, 62:335-64
 Hoekenga OA, 55:459-93
 Höfte H, 63:381-407
 Hohmann-Marriott MF, 62:515-48
 Holbrook NM, 57:361-81
 Holstein SE, 56:221-51
 Hörtensteiner S, 57:55-77
 Hotton SK, 59:467-89
 Howe GA, 59:41-66
 Hsieh T-F, 56:327-51
 Hu H, 61:561-91
 Hua Z, 62:299-334
 Humphries JA, 62:387-409
 Huner NPA, 54:329-55
 Hussey PJ, 57:109-25
 Hwang I, 63:353-80

I

Im YJ, 63:409-29
 Ishida T, 59:365-86
 Ishii T, 55:109-39
 Isogai A, 56:467-89
 Izui K, 55:69-84

J

Jackson LE, 59:341-63
 Jacquot J-P, 59:143-66
 Jander G, 59:41-66
 Jansson S, 58:435-58
 Jenkins GI, 60:407-31
 Jensen PE, 58:459-81
 Jetter R, 59:683-707
 Jhurrea D, 59:417-41
 Job C, 63:507-33
 Job D, 63:507-33
 Jones A, 63:663-706
 Jones AM, 58:249-66
 Jones-Rhoades MW, 57:19-53
 Jung H, 57:739-59
 Jürgens G, 56:281-99;
 63:483-506

K

Kagawa T, 54:455-68
 Kai Y, 55:69-84
 Kakimoto T, 54:605-27

Kato N, 55:537-54
 Keasling JD, 60:335-55
 Kehoe DM, 57:127-50
 Ketelaar T, 57:109-25
 Kim HJ, 58:115-36
 Kim T-H, 61:561-91
 Kim T-W, 61:681-704
 King RW, 54:307-28
 Kinoshita T, 58:219-47
 Kirby J, 60:335-55
 Kleine T, 60:115-38
 Kliebenstein D, 60:93-114
 Kloareg B, 62:567-90
 Kobayashi T, 63:131-52
 Kocacinar F, 63:19-47
 Kochian L, 55:459-93
 Köhler C, 63:331-52
 Koltunow AM, 54:547-74
 Komeda Y, 55:521-35
 Kondou Y, 61:373-93
 Kong J, 63:483-506
 Koornneef M, 55:141-72
 Kopriva S, 62:157-84
 Kornet N, 63:615-36
 Kossmann J, 61:209-34
 Koussevitzky S, 57:739-59
 Kramer EM, 60:261-77
 Krämer U, 61:517-34
 Krishnaswamy L, 63:307-30
 Kudla J, 61:593-620
 Kunst L, 59:683-707
 Kurata T, 59:365-86

L

Lagarias J, 57:837-58
 Lahner B, 59:709-33
 Lalonde S, 55:341-71
 Lam E, 55:537-54
 Lamattina L, 54:109-36
 Larkin JC, 54:403-30
 Lau S, 63:483-506
 Laux T, 63:615-36
 Leister D, 60:115-38
 Lemaire SD, 59:143-66
 Lemaux PG, 59:771-812;
 60:511-59
 Lepiniec L, 57:405-30
 Leuchtmann A, 55:315-40
 Lewinsohn E, 62:549-66
 Leyser O, 56:353-74
 Li H-m, 61:157-80

Li J, 59:253-79
 Li Z, 60:239-60
 Libourel IGL, 59:625-50
 Lim E, 57:567-97
 Lim PO, 58:115-36
 Lin C, 54:469-96
 Lin S-H, 62:207-26
 Lin S-I, 62:185-206
 Linka N, 62:53-77
 Lisch D, 60:43-66
 Liu C, 61:395-420
 Liu T, 57:181-201
 Liu Y, 63:215-37
 Long SP, 55:557-94; 61:235-61
 Losi A, 63:49-72
 Lough TJ, 57:203-32
 Lu F, 61:395-420
 Luan S, 54:63-92
 Lucas WJ, 57:203-32
 Luu D-T, 59:595-624

M

Ma H, 56:393-434; 57:267-302
 Maeda H, 63:73-105
 Maier UG, 60:115-38
 Maliga P, 55:289-313
 Mallova S, 62:251-72
 Manary M, 62:251-72
 Maness P-C, 58:71-91
 Marion-Poll A, 56:165-85
 Martin GB, 54:23-61
 Martinoia E, 63:183-213
 Masonbrink RE, 63:307-30
 Matsubayashi Y, 57:649-74
 Matsuda F, 61:463-89
 Matsui M, 61:373-93
 Matsumura H, 55:69-84
 Matsuoka M, 58:183-98
 Maurel C, 59:595-624
 Maziya-Dixon B, 62:251-72
 Mbanaso ENA, 62:251-72
 McCormick KP, 60:305-33
 McCurdy DW, 54:431-54
 McFadden GI, 59:491-517
 McGrath SP, 61:535-59
 McSteen P, 56:353-74
 Meharg AA, 61:535-59
 Meijer HJG, 54:265-306
 Mejia D, 60:305-33
 Mendel RR, 57:623-47
 Meyer S, 63:183-213

Meyerowitz EM, 61:65-87
 Meyers BC, 60:305-33
 Michel G, 62:567-90
 Millar AH, 62:79-104
 Miller AJ, 63:153-82
 Ming R, 62:485-514
 Mirabet V, 62:365-85
 Mithöfer A, 63:431-50
 Mittler R, 61:443-62
 Mizutani M, 61:291-315
 Moffat K, 61:21-47
 Möglich A, 61:21-47
 Moller IM, 58:459-81
 Moore I, 57:79-107
 Morell MK, 54:207-33
 Morita MT, 61:705-20
 Morris ER, 60:67-91
 Motoyuki A, 58:183-98
 Mudgett M, 56:509-31
 Müller B, 63:353-80
 Mundy J, 61:621-49
 Munnik T, 54:265-306
 Munns R, 59:651-81
 Murphy AS, 56:221-51
 Murray JAH, 54:235-64

N

Nagy R, 63:183-213
 Nakajima M, 58:183-98
 Nakata PA, 56:41-71
 Nam HG, 58:115-36
 Nambara E, 56:165-85
 Nandety RS, 60:305-33
 Napier JA, 58:295-319
 Nelson DC, 63:107-30
 Nelson N, 57:521-65
 Nelson T, 57:181-201
 Nesi N, 57:405-30
 Nishimura N, 61:561-91
 Nishizawa NK, 63:131-52
 Niyogi KK, 60:239-60
 Noctor G, 60:455-84
 Nott A, 57:739-59

O

Offler CE, 54:431-54
 Ohta D, 61:291-315
 Okada K, 59:365-86
 Okumoto S, 63:663-706

Oldroyd GED, 59:519-46
 O'Neill MA, 55:109-39;
 62:127-55
 Öquist G, 54:329-55
 Ort DR, 55:557-94; 61:235-61
 Osmont KS, 58:93-113

P

Pagnussat G, 54:109-36
 Paterson AH, 61:349-72
 Patrick JW, 54:431-54
 Paul MJ, 59:417-41
 Peer WA, 56:221-51
 Perry LG, 57:233-66
 Petersen M, 61:621-49
 Petricka JJ, 63:563-90
 Pichersky E, 62:549-66
 Pillitteri LJ, 63:591-614
 Pilon-Smits E, 56:15-39
 Piñeros MA, 55:459-93
 Pogson B, 57:711-38
 Pokorny R, 62:335-64
 Poppenberger B, 57:567-97
 Popper Z, 62:567-90
 Posewitz MC, 58:71-91
 Pourcel L, 57:405-30
 Powles SB, 61:317-47
 Pradhan S, 56:375-92
 Prat S, 57:151-80
 Primavesi LF, 59:417-41
 Pugin A, 59:21-39

Q

Quatrano R, 57:497-520
 Queval G, 60:455-84

R

Raikhel NV, 63:261-82
 Rajjou L, 63:507-33
 Ralph J, 54:519-46
 Rasmusson AG, 55:23-39
 Rasmussen CG, 62:387-409
 Raven JA, 56:99-131
 Rea PA, 58:347-75
 Reddy AS, 58:267-94
 Reeves W, 59:387-415
 Renner SS, 62:485-514
 Rhee SY, 57:335-59

Ritz T, 62:335-64
 Roberts K, 58:137-61
 Robertson D, 55:495-519
 Rockwell NC, 57:837-58
 Rodriguez MCS, 61:621-49
 Rodriguez PL, 61:651-79
 Rodriguez-Falcón M, 57:151-80
 Roeder AHK, 61:65-87
 Rogers A, 55:557-94
 Rolland F, 57:675-709
 Ronald PC, 63:451-82
 Rouhier N, 59:143-66
 Routaboul J, 57:405-30
 Ruiz-Ferrer V, 60:485-510
 Runions J, 57:79-107

S

Sack FD, 58:163-81
 Sack L, 57:361-81
 Sage RF, 63:19-47
 Sage TL, 63:19-47
 Saito K, 61:463-89; 62:157-84
 Sakagami Y, 57:649-74
 Sakakibara H, 57:431-49
 Sakamoto W, 57:599-621
 Salt DE, 59:709-33
 Samuels L, 59:683-707
 Sanders D, 61:593-620
 Santoni V, 59:595-624
 Sato Y, 54:455-68
 Sayre R, 62:251-72
 Schachtman DP, 58:47-69;
 62:251-72
 Scharld CL, 55:315-40
 Scheller HV, 61:263-89
 Scheres B, 59:443-65
 Schiefelbein J, 54:403-30
 Schroeder JI, 61:561-91
 Schuler MA, 54:629-67
 Schulze WX, 61:491-516
 Schurr U, 60:279-304
 Schwacke R, 56:133-64
 Schwarz G, 57:623-47
 Schweisinger B, 63:451-82
 Seibert M, 58:71-91
 Seifert GJ, 58:137-61
 Sentenac H, 54:575-603
 Serino G, 54:165-82
 Sessa G, 54:23-61
 Shachar-Hill Y, 59:625-50
 Shalitin D, 54:469-96

Shaw SL, 57:859-75
 Sheen J, 57:675-709; 63:353-80
 Shi D-Q, 61:89-108
 Shikanai T, 58:199-217
 Shimazaki K-i, 58:219-47
 Shin R, 58:47-69
 Shinozaki K, 57:781-803
 Shirasu K, 60:139-64
 Sibout R, 58:93-113
 Silk WK, 60:279-304
 Simon SA, 60:305-33
 Sinha NR, 63:535-62
 Siritunga D, 62:251-72
 Sitch S, 63:637-61
 Slane D, 63:483-506
 Smalle J, 55:555-90
 Smith AM, 56:73-97; 61:209-34
 Smith FA, 62:227-50
 Smith LG, 62:387-409
 Smith S, 62:227-50
 Smith SM, 56:73-97; 63:107-30
 Snedden WA, 56:435-66
 Soltis DE, 60:561-88
 Soltis PS, 60:561-88
 Somerville C, 60:165-82
 Sonnenwald U, 57:805-36
 Soole KL, 55:23-39; 62:79-104
 Spiering MJ, 55:315-40
 Spillane C, 63:331-52
 Starlinger P, 56:1-13
 Steber C, 59:387-415
 Stengel DB, 62:567-90
 Stenmark P, 54:497-517
 Stern DB, 61:125-55
 Stitt M, 57:805-36
 Su Y, 57:837-58
 Sun T-p, 55:197-223
 Sung S, 56:491-508
 Swanson SJ, 62:273-97

T

Takahashi H, 62:157-84
 Takayama S, 56:467-89
 Talbot MJ, 54:431-54
 Tanaka A, 58:321-46
 Tanaka R, 58:321-46
 Tang H, 61:349-72
 Tarr PT, 61:65-87
 Tausta SL, 57:181-201
 Taylor N, 62:251-72

Temple BRS, 58:249-66
 Tester M, 59:651-81
 Thomine S, 62:25-51
 Thornsberrry JM, 54:357-74
 Tobin C, 61:65-87
 Torii KU, 63:591-614
 Toriyama K, 62:437-60
 Townsley BT, 63:535-62
 Tsay Y-f, 62:207-26
 Tsukaya H, 57:477-96
 Tuohy MG, 62:567-90
 Turck F, 59:573-94
 Turgeon R, 60:207-21
 Turner S, 58:407-33
 Twell D, 62:461-84

U

Ueguchi-Tanaka M, 58:183-98
 Ulvskov P, 61:263-89
 Usadel B, 61:491-516

V

Vaistij FE, 57:567-97
 van der Hoorn RAL, 59:191-223
 van der Horst GTJ, 62:335-64
 Vanderschuren H, 62:251-72
 Van Montagu M, 62:1-23
 Vercesi A, 57:383-404
 Verdoucq L, 59:595-624
 Véry A-A, 54:575-603
 Vierstra RD, 55:555-90;
 62:299-334
 Vivanco JM, 57:233-66
 Voesenek LACJ, 59:313-39
 Voinnet O, 60:485-510
 von Wettstein D, 58:1-19
 Voznesenskaya EE, 55:173-96
 Vreugdenhil D, 55:141-72

W

Wada M, 54:455-68
 Wada T, 59:365-86
 Wakao S, 60:239-60
 Walker JC, 60:67-91
 Waller RF, 59:491-517
 Walter A, 60:279-304
 Wang X, 61:349-72

Wang Y, 59:253-79
 Wang Z-Y, 61:681-704
 Wasteney GO, 54:691-722
 Watanabe K, 55:537-54
 Weber APM, 56:133-64;
 62:53-77
 Weber H, 56:253-79
 Weckwerth W, 54:669-89
 Wege S, 62:25-51
 Weir TL, 57:233-66
 Wendehenne D, 59:21-39
 Werck-Reichhart D, 54:629-67
 Whelan J, 62:79-104
 Willats WGT, 62:567-90
 Winkel BSJ, 55:85-107
 Winter CM, 63:563-90
 Wipf D, 55:341-71
 Wobus U, 56:253-79
 Wolf S, 60:207-21; 63:381-407
 Wolff P, 63:331-52
 Wu H-m, 59:547-72

X

Xing Y, 61:421-42
 Xu D, 57:335-59
 Xu G, 63:153-82
 Xu M-Q, 56:375-92
 Xue Y, 60:21-42

Y

Yamaguchi S, 59:225-51
 Yamaguchi-Shinozaki K,
 57:781-803
 Yang W-C, 61:89-108
 Yang X, 61:21-47
 Yellin A, 56:435-66
 Yendrek CR, 63:637-61
 Yocum CF, 57:521-65
 Yokota T, 54:137-64
 Young ND, 63:283-305
 Yu J, 58:71-91
 Yu Q, 61:317-47

Z

Zambryski PC, 63:239-60
 Zeeman SC, 56:73-97; 61:209-34
 Zeevaart JAD, 60:1-19

Zeng J, 60:305-33
Zhai J, 60:305-33
Zhang P, 62:251-72
Zhang Q, 61:421-42

Zhang Y, 59:417-41; 60:21-42
Zhao C, 63:307-30
Zhao F-J, 61:535-59
Zhao Y, 61:49-64

Zhao Z, 60:21-42
Zhu X-G, 61:235-61
Ziegler J, 59:735-69
Zrenner R, 57:805-36

Chapter Titles, Volumes 54-63

Prefatory Chapters

Conjectures, Refutations, and Extrapolations	LT Evans	54:1-21
An Unforeseen Voyage to the World of Phytochromes	M Furuya	55:1-21
Fifty Good Years	P Starlinger	56:1-13
Looking at Life: From Binoculars to the Electron Microscope	SP Gibbs	57:1-17
From Analysis of Mutants to Genetic Engineering	D von Wettstein	58:1-19
Our Work with Cyanogenic Plants	EE Conn	59:1-19
My Journey From Horticulture to Plant Biology	JAD Zeevaart	60:1-19
A Wandering Pathway in Plant Biology: From Wildflowers to Phototropins to Bacterial Virulence	WR Briggs	61:1-20
It Is a Long Way to GM-Agriculture	M Van Montagu	62:1-23
There Ought to Be an Equation for That	JA Berry	63:1-17

Biochemistry and Biosynthesis

Plant Peroxiredoxins	K-J Dietz	54:93-107
Biosynthesis and Metabolism of Brassinosteroids	S Fujioka, T Yokota	54:137-64
From Bacterial Glycogen to Starch: Understanding the Biogenesis of the Plant Starch Granule	SG Ball, MK Morell	54:207-33
Membrane-Bound Diiron Carboxylate Proteins	DA Berthold, P Stenmark	54:497-517
Lignin Biosynthesis	W Boerjan, J Ralph, M Baucher	54:519-46

Alternative NAD(P)H Dehydrogenases of Plant Mitochondria	AG Rasmusson, KL Soole, TE Elthon	55:23-39
Phosphoenolpyruvate Carboxylase: A New Era of Structural Biology	K Izui, H Matsumura, T Furumoto, Y Kai	55:69-84
Metabolic Channeling in Plants Rhamnogalacturonan II: Structure and Function of a Borate Cross-Linked Cell Wall Pectic Polysaccharide	BSJ Winkel	55:85-107
Single-Cell C ₄ Photosynthesis Versus the Dual-Cell (Kranz) Paradigm	MA O'Neill, T Ishii, P Albersheim, AG Darvill	55:109-39
Phytoestrogens Decoding Ca ²⁺ Signals Through Plant Protein Kinases	GE Edwards, VR Franceschi, EE Voznesenskaya RA Dixon	55:173-96 55:225-61
Transport Mechanisms for Organic Focus of Carbon and Nitrogen Between Source and Sink	JF Harper, G Breton, A Harmon	55:263-88
The Generation of Ca ²⁺ Signals in Plants	S Lalonde, D Wipf, WB Frommer	55:341-71
Biosynthesis and Accumulation of Sterols The Ubiquitin 26S Proteasome Proteolytic Pathway	AM Hetherington, C Brownlee P Benveniste	55:401-27 55:429-57
Starch Degradation	J Smalle, RD Vierstra AM Smith, SC Zeeman, SM Smith	55:555-90 56:73-97
Redox Regulation: A Broadening Horizon Molecular Physiology of Legume Seed Development	BB Buchanan, Y Balmer	56:187-220
Evolution of Flavors and Scents Plant-Specific Calmodulin-Binding Proteins	H Weber, L Borisjuk, U Wobus DR Gang N Bouché, A Yellin, WA Snedden, H Fromm	56:253-79 56:301-25 56:435-66
Chlorophyll Degradation During Senescence Biology and Biochemistry of Glucosinolates	S Hörtensteiner BA Halkier, J Gershenzon	57:55-77 57:303-33
Cytokinins: Activity, Biosynthesis, and Translocation	H Sakakibara	57:431-49
Structure and Function of Photosystems I and II	N Nelson, CF Yocum	57:521-65
Glycosyltransferases of Lipophilic Small Molecules	D Bowles, E-K Lim, B Poppenberger, FE Vaistij	57:567-97

Molybdenum Cofactor Biosynthesis and Molybdenum Enzymes	G Schwarz, RR Mendel	57:623-47
Vitamin Synthesis in Plants: Tocopherols and Carotenoids	D DellaPenna, B Pogson	57:711-38
The Genetics and Biochemistry of Floral Pigments	E Grotewold	57:761-80
Pyrimidine and Purine Biosynthesis and Degradation in Plants	R Zrenner, M Stitt, U Sonnewald, R Boldt	57:805-36
Phytochrome Structure and Signaling Mechanisms	NC Rockwell, Y-S Su, JC Lagarias	57:837-58
Phototropin Blue-Light Receptors	JM Christie	58:21-45
Nutrient Sensing and Signaling: NPKS	DP Schachtman, R Shin	58:47-69
Hydrogenases and Hydrogen Photoproduction in Oxygenic Photosynthetic Organisms	ML Ghirardi, MC Posewitz, P-C Maness, A Dubini, J Yu, M Seibert	58:71-91
Gibberellin Receptor and Its Role in Gibberellin Signaling in Plants	M Ueguchi-Tanaka, M Nakajima, A Motoyuki, M Matsuoka	58:183-98
The Production of Unusual Fatty Acids in Transgenic Plants	JA Napier	58:295-319
Tetrapyrrole Biosynthesis in Higher Plants	R Tanaka, A Tanaka	58:321-46
Plant ATP-Binding Cassette Transporters	PA Rea	58:347-75
Oxidative Modifications to Cellular Components in Plants	IM Moller, PE Jensen, A Hansson	58:459-81
Seed Storage Oil Mobilization	IA Graham	59:115-42
The Role of Glutathione in Photosynthetic Organisms: Emerging Functions for Glutaredoxins and Glutathionylation	N Rouhier, SD Lemaire, J-P Jacquot	59:143-66
Plant Proteases: From Phenotypes to Molecular Mechanisms	RAL van der Hoorn	59:191-223
Gibberellin Metabolism and its Regulation	S Yamaguchi	59:225-51
Decoding of Light Signals by Plant Phytochromes and Their Interacting Proteins	G Bac, G Choi	59:281-311
Trehalose Metabolism and Signaling	MJ Paul, LF Primavesi, D Jhurrea, Y Zhang	59:417-41
Auxin: The Looping Star in Plant Development	R Benjamins, B Scheres	59:443-65
Regulation of Cullin RING Ligases	SK Hotton, J Callis	59:467-89
Sealing Plant Surfaces: Cuticular Wax Formation by Epidermal Cells	L Samuels, L Kunst, R Jetter	59:683-707

Alkaloid Biosynthesis: Metabolism and Trafficking	J Ziegler, PJ Facchini	59:735-69
14-3-3 and FHA Domains Mediate Phosphoprotein Interactions	D Chevalier, ER Morris, JC Walker	60:67-91
Cellulosic Biofuels	A Carroll, C Somerville	60:165-82
Jasmonate Passes Muster: A Receptor and Targets for the Defense Hormone	J Browse	60:183-205
Biosynthesis of Plant Isoprenoids: Perspectives for Microbial Engineering	J Kirby, JD Keasling	60:335-55
Photorespiratory Metabolism: Genes, Mutants, Energetics, and Redox Signaling	CH Foyer, A Bloom, G Queval, G Noctor	60:455-84
Structure and Function of Plant Photoreceptors	A Möglich, X Yang, RA Ayers, K Moffat	61:21-47
Auxin Biosynthesis and its Role in Plant Development	Y Zhao	61:49-64
Starch: Its Metabolism, Evolution, and Biotechnological Modification in Plants	SC Zeeman, J Kossmann, AM Smith	61:209-34
Hemicelluloses	HV Scheller, P Ulvskov	61:263-89
Diversification of P450 Genes During Land Plant Evolution	M Mizutani, D Ohta	61:291-315
Anion Channels/Transporters in Plants: From Molecular Bases to Regulatory Networks	H Barbier-Brygoo, A De Angeli, S Filleur, J-M Frachisse, F Gambale, S Thomine, S Wege	62:25-51
Connecting the Plastid: Transporters of the Plastid Envelope and Their Role in Linking Plastidial with Cytosolic Metabolism	APM Weber, N Linka	62:53-77
Organization and Regulation of Mitochondrial Respiration in Plants	AH Millar, J Whelan, KL Soole, DA Day	62:79-104
Folate Biosynthesis, Turnover, and Transport in Plants	AD Hanson, JF Gregory III	62:105-25
Plant Nucleotide Sugar Formation, Interconversion, and Salvage by Sugar Recycling	M Bar-Peled, MA O'Neill	62:127-55
Sulfur Assimilation in Photosynthetic Organisms: Molecular Functions and Regulations of Transporters and Assimilatory Enzymes	H Takahashi, S Kopriva, M Giordano, K Saito, R Hell	62:157-84

The Cryptochromes: Blue Light Photoreceptors in Plants and Animals	I Chaves, R Pokorny, M Byrdin, N Hoang, T Ritz, K Brettel, L-O Essen, GTJ van der Horst, A Batschauer, M Ahmad	62:335-64
Convergent Evolution in Plant Specialized Metabolism	E Pichersky, E Lewinsohn	62:549-66
The Shikimate Pathway and Aromatic Amino Acid Biosynthesis in Plants	H Maeda, N Dudareva	63:73-105
Iron Uptake, Translocation, and Regulation in Higher Plants	T Kobayashi, NK Nishizawa	63:131-52
Plant Nitrogen Assimilation and Use Efficiency Growth Control and Cell Wall Signaling in Plants	G Xu, X Fan, AJ Miller S Wolf, K Hématy, H Höfte	63:153-82 63:381-407
Genetics and Molecular Biology		
The COP9 Signalosome: Regulating Plant Development Through the Control of Proteolysis	G Serino, X-W Deng	54:165-82
Structure of Linkage Disequilibrium in Plants	SA Flint-Garcia, JM Thornsberry, ES Buckler IV	54:357-74
Functional Genomics of P450S	MA Schuler, D Werck-Reichhart	54:629-67
DNA Methylation and Epigenetics Naturally Occurring Genetic Variation in Arabidopsis Thaliana	J Bender M Koornneef, C Alonso-Blanco, D Vreugdenhil	55:41-68 55:141-72
Plastid Transformation in Higher Plants Visualizing Chromosome Structure/Organization	P Maliga E Lam, N Kato, K Watanabe	55:289-313 55:537-54
Biology of Chromatin Dynamics Self-Incompatibility in Plants MicroRNAs and Their Regulatory Roles in Plants	T-F Hsieh, RL Fischer S Takayama, A Isogai MW Jones-Rhoades, DP Bartel, B Bartel	56:327-51 56:467-89 57:19-53
Genetics of Meiotic Prophase I in Plants	O Hamant, H Ma, WZ Cande	57:267-302
Genetics and Biochemistry of Seed Flavonoids	L Lepiniec, I Debeaujon, J-M Routaboul, A Baudry, L Pourcel, N Nesi, M Caboche	57:405-30

Mosses as Model Systems for the Study of Metabolism and Development	D Cove, M Benzanilla, P Harries, R Quatrano	57:497-520
Cyclic Electron Transport Around Photosystem I: Genetic Approaches	T Shikanai	58:199-217
Alternative Splicing of Pre-Messenger RNAs in Plants in the Genomic Era	ASN Reddy	58:267-94
Genetic and Epigenetic Mechanisms for Gene Expression and Phenotypic Variation in Plant Polyploids	ZJ Chen	58:377-406
Plastid Evolution	SB Gould, RF Waller, GI McFadden	59:491-517
Genetically Engineered Plants and Foods: A Scientist's Analysis of the Issues (Part I)	PG Lemaux	59:771-812
Roles of Proteolysis in Plant Self-Incompatibility	Y Zhang, Z Zhao, Y Xue	60:21-42
Epigenetic Regulation of Transposable Elements in Plants	D Lisch	60:43-66
Quantitative Genomics: Analyzing Intraspecific Variation Using Global Gene Expression Polymorphisms or eQTLs	D Kliebenstein	60:93-114
DNA Transfer From Organelles to the Nucleus: The Idiosyncratic Genetics of Endosymbiosis	T Kleine, UG Maier, D Leister	60:115-38
Selaginella and 400 Million Years of Separation Bias in Plant Gene Content Following Different Sorts of Duplication: Tandem, Whole-Genome, Segmental, or by Transposition	JA Banks	60:223-38
Roles of Plant Small RNAs in Biotic Stress Responses	M Freeling	60:433-53
Genetically Engineered Plants and Foods: A Scientist's Analysis of the Issues (Part II)	V Ruiz-Ferrer, O Voinnet	60:485-510
Chloroplast RNA Metabolism	PG Lemaux	60:511-59
	DB Stern, M Goldschmidt-Clermont, MR Hanson	61:125-55
The Regulation of Gene Expression Required for C ₄ Photosynthesis	JM Hibberd, S Covshoff	61:181-207
Insights from the Comparison of Plant Genome Sequences	AH Paterson, M Freeling, H Tang, X Wang	61:349-72
Histone Methylation in Higher Plants	C Liu, F Lu, X Cui, X Cao	61:395-420
Mitogen-Activated Protein Kinase Signaling in Plants	MCS Rodriguez, M Petersen, J Mundy	61:621-49

Absciseic Acid: Emergence of a Core Signaling Network	SR Cutler, PL Rodriguez, RR Finkelstein, SR Abrams	61:651-79
Signaling Network in Sensing Phosphate Availability in Plants	T-J Chiou, S-I Lin	62:185-206
The Cullen-RING Ubiquitin-Protein Ligases	Z Hua, RD Vierstra	62:299-334
The Epigenome and Plant Development	G He, AA Elling, XW Deng	62:411-35
Germline Specification and Function in Plants	F Berger, D Twell	62:461-84
Sex Chromosomes in Land Plants	R Ming, A Bendahmane, SS Renner	62:485-514
Genome-Enabled Insights into Legume Biology	ND Young, AK Bharti	63:283-305
Epigenetic Mechanisms Underlying Genomic Imprinting in Plants	C Köhler, P Wolff, C Spillane	63:331-52
Phosphoinositide Signaling	WF Boss, YJ Im	63:409-29
Cell Differentiation		
The Plant Cell Cycle	W Dewitte, JAH Murray	54:235-64
How Do Cells Know What They Want To Be When They Grow Up? Lessons from Epidermal Patterning in Arabidopsis	JC Larkin, ML Brown, J Schiefelbein	54:403-30
Transfer Cells: Cells Specialized for a Special Purpose	CE Offler, DW McCurdy, JW Patrick, MJ Talbot	54:431-54
Molecular Mechanisms and Regulation of K ⁺ Transport in Higher Plants	A-A Véry, H Sentenac	54:575-603
Remodeling the Cytoskeleton for Growth and Form: An Overview with Some New Views	GO Wasteneys, ME Galway	54:691-722
Calcium Oxalate in Plants: Formation and Function	VR Franceschi, PA Nakata	56:41-71
Solute Transporters of the Plastid Envelope Membrane	APM Weber, R Schwacke, U-I Flügge	56:133-64
Absciseic Acid Biosynthesis and Catabolism	E Nambara, A Marion-Poll	56:165-85
Endocytotic Cycling of PM Proteins	AS Murphy, A Bandyopadhyay, SE Holstein, WA Peer	56:221-51
Cytokinesis in Higher Plants	G Jürgens	56:281-99

Shoot Branching	P McSteen, O Leyser	56:353-74
Molecular Genetic Analyses of Microsporogenesis and Microgametogenesis in Flowering Plants	H Ma	56:393-434
Remembering Winter: Toward a Molecular Understanding of Vernalization	S Sung, RM Amasino	56:491-508
New Insights to the Function of Phytopathogenic Bacterial Type III Effectors in Plants	M Mudgett	56:509-31
Control of the Actin Cytoskeleton in Plant Cell Growth	PJ Hussey, T Ketelaar, MJ Deeks	57:109-25
Seasonal Control of Tuberization in Potato: Conserved Elements with the Flowering Response	M Rodríguez-Falcón, J Bou, S Prat	57:151-80
Mechanism of Leaf Shape Determination	H Tsukaya	57:477-96
Protein Degradation Machineries in Plastids	W Sakamoto	57:599-621
Peptide Hormones in Plants	Y Matsubayashi, Y Sakagami	57:649-74
Plastid-to-Nucleus Retrograde Signaling	A Nott, H-S Jung, S Koussevitzky, J Chory	57:739-59
Microtubule Dynamics and Organization in the Plant Cortical Array	DW Ehrhardt, SL Shaw	57:859-75
Leaf Senescence	PO Lim, HJ Kim, HG Nam	58:115-36
The Biology of Arabinogalactan Proteins	CJ Seifert, K Roberts	58:137-61
Stomatal Development	DC Bergmann, FD Sack	58:163-81
The Plant Heterotrimeric G-Protein Complex	BRS Temple, AM Jones	58:249-66
Tracheary Element Differentiation	S Turner, P Gallois, D Brown	58:407-33
Patterning and Polarity in Seed Plant Shoots	JL Bowman, SK Floyd	59:67-88
A Genetic Regulatory Network in the Development of Trichomes and Root Hairs	T Ishida, T Kurata, K Okada, T Wada	59:365-86
Coordinating Nodule Morphogenesis with Rhizobial Infection in Legumes	GED Oldroyd, JA Downie	59:519-46
Structural and Signaling Networks for the Polar Cell Growth Machinery in Pollen Tubes	AY Cheung, H-m Wu	59:547-72
Regulation and Identity of Florigen: Flowering Locus T Moves Center Stage	F Turck, F Fornara, G Coupland	59:573-94
Protein Transport into Chloroplasts	H-m Li, C-C Chiu	61:157-80
Guard Cell Signal Transduction Network: Advances in Understanding Abscise Acid, CO ₂ , and Ca ²⁺ Signaling	T-H Kim, M Böhrer, H Hu, N Nishimura, JI Schroeder	61:561-91

The Language of Calcium Signalling	AN Dodd, J Kudla, D Sanders	61:593-620
Brassinosteroid Signal Transduction from Receptor Kinases to Transcription Factors	T-W Kim, Z-Y Wang	61:681-704
The Role of Mechanical Forces in Plant Morphogenesis	V Mirabet, P Das, A Boudaoud, O Hamant	62:365-85
Determination of Symmetric and Asymmetric Division Planes in Plant Cells	CG Rasmussen, JA Humphries, LG Smith	62:387-409
Genetic Regulation of Sporopollenin Synthesis and Pollen Exine Development	T Ariizumi, K Toriyama	62:437-60
Vacuolar Transporters in Their Physiological Context	E Martinoia, S Meyer, A De Angeli, R Nagy	63:183-213
Autophagy: Pathways for Self-Eating in Plant Cells	Y Liu, DC Bassham	63:215-37
Plasmodesmata Paradigm Shift: Regulation from Without Versus Within	TM Burch-Smith, PC Zambryski	63:239-60
Mechanisms of Stomatal Development	IJ Pillitteri, KU Torii	63:591-614
Plant Stem Cell Niches	E Aichinger, N Kornet, T Friedrich, T Laux	63:615-36
Tissue, Organ, and Whole Plant Events		
Understanding the Functions of Plant Disease Resistance Proteins	GB Martin, AJ Bogdanove, G Sessa	54:23-61
Protein Phosphatases in Plants	S Luan	54:63-92
Nitric Oxide: The Versatility of an Extensive Signal Molecule	L Lamattina, C Garcia-Mata, M Graziano, G Pagnussat	54:109-36
Phospholipid-Based Signaling in Plants	HJG Meijer, T Munnik	54:265-306
Gibberellins and Flowering of Grasses and Cereals: Prizing Open the Lid of the "Florigen" Black Box	RW King, LT Evans	54:307-28
Cryptochrome Structure and Signal Transduction	C Lin, D Shalitin	54:469-96
Perception and Signal Transduction of Cytokinins	T Kakimoto	54:605-27
Symbioses of Grasses with Seedborne Fungal Endophytes	CL Schardl, A Leuchtman, MJ Spiering	55:315-40
Reactive Oxygen Species: Metabolism, Oxidative Stress, and Signal Transduction	K Apel, H Hirt	55:373-99

Integrative Plant Biology: Role of Phloem Long-Distance Macromolecular Trafficking	TJ Lough, WJ Lucas	57:203-32
The Role of Root Exudates in Rhizosphere Interactions with Plants and Other Organisms	HP Bais, TL Weir, LG Perry, S Gilroy, JM Vivanco	57:233-66
Leaf Hydraulics	L Sack, NM Holbrook	57:361-81
Sugar Sensing and Signaling in Plants: Conserved and Novel Mechanisms	F Rolland, E Baena-Gonzalez, J Sheen	57:675-709
Hidden Branches: Developments in Root System Architecture	KS Osmont, R Sibout, CS Hardtke	58:93-113
Light Regulation of Stomatal Movement	K-i Shimazaki, M Doi, SM Assmann, T Kinoshita	58:219-47
New Insights into Nitric Oxide Signaling in Plants	A Besson-Bard, A Pugin, D Wendehenne	59:21-39
Plant Immunity to Insect Herbivores	GA Howe, G Jander	59:41-66
Molecular Basis of Plant Architecture	Y Wang, J Li	59:253-79
Molecular Aspects of Seed Dormancy	R Finkelstein, W Reeves, T Ariizumi, C Steber	59:387-415
Plant Aquaporins: Membrane Channels with Multiple Integrated Functions	C Maurel, L Verdoucq, D-T Luu, V Santoni	59:595-624
Mechanisms of Salinity Tolerance	R Munns, M Tester	59:651-81
Ionomics and the Study of the Plant Ionome	DE Salt, I Baxter, B Lahner	59:709-33
The HSP90-SGT1 Chaperone Complex for NLR Immune Sensors	K Shirasu	60:139-64
Phloem Transport: Cellular Pathways and Molecular Trafficking	R Turgeon, S Wolf	60:207-21
<i>Aquilegia</i> : A New Model for Plant Development, Ecology, and Evolution	EM Kramer	60:261-77
Environmental Effects on Spatial and Temporal Patterns of Leaf and Root Growth	A Walter, WK Silk, U Schurr	60:279-304
The Circadian System in Higher Plants	SL Harmer	60:357-77
A Renaissance of Elicitors: Perception of Microbe-Associated Molecular Patterns and Danger Signals by Pattern-Recognition Receptors	T Boller, G Felix	60:379-406

Computational Morphodynamics: A Modeling Framework to Understand Plant Growth	V Chickarmane, AHK Roeder, PT Tarr, A Cunha, C Tobin, EM Meyerowitz	61:65-87
Female Gametophyte Development in Flowering Plants	W-C Yang, D-Q Shi, Y-H Chen	61:89-108
Improving Photosynthetic Efficiency for Greater Yield	X-G Zhu, SP Long, DR Ort	61:235-61
Evolution in Action: Plants Resistant to Herbicides	SB Powles, Q Yu	61:317-47
Genetic and Molecular Basis of Rice Yield	Y Xing, Q Zhang	61:421-42
Directional Gravity Sensing In Gravitropism	MT Morita	61:705-20
Roles of Arbuscular Mycorrhizas in Plant Nutrition and Growth: New Paradigms from Cellular to Ecosystem Scales	S Smith, FA Smith	62:227-50
The BioCassava Plus Program: Biofortification of Cassava for Sub-Saharan Africa	R Sayre, J Beeching, E Cahoon, C Egesi, C Fauquet, J Fellman, M Fregene, W Gruissem, S Mallova, M Manary, B Maziya-Dixon, ENA Mbanaso, DP Schachtman, D Siritunga, N Taylor, H Vanderschuren, P Zhang	62:251-72
Regulation of Seed Germination and Seedling Growth by Chemical Signals from Burning Vegetation	DC Nelson, GR Flematti, EL Ghisalberti, KW Dixon, SM Smith	63:107-30
Cytokinin Signaling Networks	I Hwang, J Sheen, B Müller	63:353-80
Plant Defense Against Herbivores: Chemical Aspects	A Mithöfer, W Boland	63:431-50
Plant Innate Immunity: Perception of Conserved Microbial Signatures	B Schwessinger, PC Ronald	63:451-82

Early Embryogenesis in Flowering Plants: Setting Up the Basic Body Pattern	S Lau, D Slane, O Herud, J Kong, G Jürgens	63:483-506
Seed Germination and Vigor	L Rajjou, M Duval, K Gallardo, J Catusse, J Bally, C Job, D Job	63:507-33
A New Development: Evolving Concepts in Leaf Ontogeny	BT Townsley, NR Sinha	63:535-62
Control of <i>Arabidopsis</i> Root Development	JJ Petricka, CM Winter, PN Benfey	63:563-90
The Effects of Tropospheric Ozone on Net Primary Productivity and Implications for Climate Change	EA Ainsworth, CR Yendrek, S Sitch, WJ Collins, LD Emberson	63:637-61
Acclimation and Adaptation		
Iron Transport and Signaling in Plants	C Curie, J-F Briat	54:183-206
Photosynthesis of Overwintering Evergreen Plants	G Öquist, NPA Huner	54:329-55
Chloroplast Movement	M Wada, T Kagawa, Y Sato	54:455-68
How Do Crop Plants Tolerate Acid Soils? Mechanisms of Aluminum Tolerance and Phosphorous Efficiency	L Kochian, OA Hoekenga, MA Piñeros	55:459-93
Genetical Regulation of Time to Flower in <i>Arabidopsis Thaliana</i>	Y Komeda	55:521-35
Rising Atmospheric Carbon Dioxide: Plants FACE the Future	SP Long, EA Ainsworth, A Rogers, DR Ort	55:557-94
Phytoremediation	E Pilon-Smits	56:15-39
CO ₂ Concentrating Mechanisms in Algae: Mechanisms, Environmental Modulation, and Evolution	M Giordano, J Beardall, JA Raven	56:99-131
Responding to Color: The Regulation of Complementary Chromatic Adaptation	DM Kehoe, A Gutu	57:127-50
Plant Uncoupling Mitochondrial Proteins	AE Vercesi, J Borecky, I de Godoy Maia, P Arruda, IM Cuccovia, H Chaimovich	57:383-404
Transcriptional Regulatory Networks in Cellular Responses and Tolerance to Dehydration and Cold Stresses	K Yamaguchi-Shinozaki, K Shinozaki	57:781-803

Algal Sensory Photoreceptors	P Hegemann	59:167-89
Flooding Stress: Acclimations and Genetic Diversity	J Bailey-Serres, LACJ Voisenek	59:313-39
Roots, Nitrogen Transformations, and Ecosystem Services	LE Jackson, M Burger, TR Cavnaro	59:341-63
Sensing and Responding to Excess Light	Z Li, S Wakao, BB Fischer, KK Niyogi	60:239-60
Signal Transduction in Responses to UV-B Radiation	GI Jenkins	60:407-31
The Role of Hybridization in Plant Speciation	PS Soltis, DE Soltis	60:561-88
Arsenic as a Food Chain Contaminant: Mechanisms of Plant Uptake and Metabolism and Mitigation Strategies	F-J Zhao, SP McGrath, AA Meharg	61:535-59
Doomed Lovers: Mechanisms of Isolation and Incompatibility in Plants	K Bomblies	61:109-24
Genetic Engineering for Modern Agriculture: Challenges and Perspectives	R Mittler, E Blumwald	61:443-62
Metal Hyperaccumulation in Plants	U Krämer	61:517-34
Integration of Nitrogen and Potassium Signaling	Y-f Tsay, C-H Ho, H-Y Chen, S-H Lin	62:207-26
Evolution of Photosynthesis	MF Hohmann-Marriott, RE Blankenship	62:515-48
Evolution and Diversity of Plant Cell Walls: From Algae to Flowering Plants	Z Popper, G Michel, C Hervé, DS Domozych, WGT Willats, MG Tuohy, B Kloreg, DB Stengel	62:567-90
Photorespiration and the Evolution of C ₄ Photosynthesis	RF Sage, TL Sage, F Kocacinar	63:19-47
The Evolution of Flavin-Binding Photoreceptors: An Ancient Chromophore Serving Trendy Blue-Light Sensors	A Losi, W Gärtner	63:49-72
Small Molecules Present Large Opportunities in Plant Biology	GR Hicks, NV Raikhel	63:261-82
Methods		
Single-Nucleotide Mutations for Plant Functional Genomics	S Henikoff, L Comai	54:375-401
Metabolomics in Systems Biology	W Weckwerth	54:669-89
VIGS Vectors for Gene Silencing: Many Targets, Many Tools	D Robertson	55:495-519

Protein Splicing Elements and Plants: From Transgene Containment to Protein Purification	TC Evans Jr, M-Q Xu, S Pradhan	56:375-92
Quantitative Fluorescence Microscopy: From Art to Science	M Fricker, J Runions, I Moore	57:79-107
Laser Microdissection of Plant Tissue: What You See Is What You Get	T Nelson, SL Tausta, N Gandotra, T Liu	57:181-201
Bioinformatics and Its Applications in Plant Biology	SY Rhee, J Dickerson, D Xu	57:335-59
Global Studies of Cell Type-Specific Gene Expression in Plants	DW Galbraith, K Birnbaum	57:451-75
<i>Populus</i> : A Model System for Plant Biology	S Jansson, CJ Douglas	58:435-58
Chlorophyll Fluorescence: A Probe of Photosynthesis In Vivo	NR Baker	59:89-113
Metabolic Flux Analysis in Plants: From Intelligent Design to Rational Engineering	IGL Libourel, Y Shachar-Hill	59:625-50
Short-Read Sequencing Technologies for Transcriptional Analyses	SA Simon, J Zhai, RS Nandety, KP McCormick, J Zeng, D Mejia, BC Meyers	60:305-33
High-Throughput Characterization of Plant Gene Functions by Using Gain-of-Function Technology	Y Kondou, M Higuchi, M Matsui	61:373-93
Metabolomics for Functional Genomics, Systems Biology, and Biotechnology	K Saito, F Matsuda	61:463-89
Quantitation in Mass-Spectrometry-Based Proteomics	WX Schulze, B Usadel	61:491-516
In Vivo Imaging of Ca ²⁺ , pH, and Reactive Oxygen Species Using Fluorescent Probes in Plants	SJ Swanson, W-G Choi, A Chanoca, S Gilroy	62:273-97
Synthetic Chromosome Platforms in Plants	RT Gaeta, RE Masonbrink, L Krishnaswamy, C Zhao, JA Birchler	63:307-30
Quantitative Imaging with Fluorescent Biosensors	S Okumoto, A Jones, WB Frommer	63:663-706

